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(54) Title: **GEOPOLYMER CONCRETE AND METHOD OF PREPARATION AND CASTING**

(57) Abstract: A method of forming a geopolymer moulded product comprising: forming a geopolymer concrete composition comprising an alkali or alkaline earth metal silicate component, an alkali or alkaline earth metal hydroxide, aggregate and water wherein the water content is insufficient to provide a slumped concrete and the ratio of SiO₂ to M₂O is at least 0.8; and casting the concrete into a mould and subjecting the moulded concrete to consolidation in the mould.



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